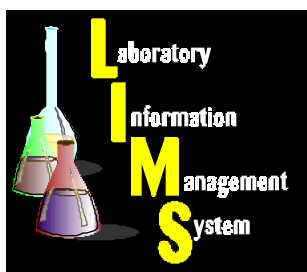




## F A C T S H E E T



## Depot Maintenance Laboratory Information Management System



As part of the Department of Defense's (DoD's) Depot Maintenance (DM) Toolbox, the Laboratory Information Management System (LIMS) provides improved management of laboratory resources and greater efficiencies from automating information gathering, analysis and reporting.

The DM Toolbox is the depot maintenance piece of a Corporate Information Management (CIM) initiative designed to improve management of operations and ensure interoperability across DoD logistics. The DM Toolbox ultimately represents an important milestone in the creation of a seamless logistics system, resulting in a streamlined logistics infrastructure and improved logistics response time.

### **FUNCTIONS**

#### LIMS Computer Database

- The hub of all LIMS interactions
- Composed of static and dynamic sections
- Static area consists of descriptive information describing tests, profiles, calculations and specifications
- Dynamic area contains sample and result information

#### Data/Information Capture

- Manual keyboard entry
- One-way electronic capture of information from laboratory instruments
- Future capability of two-way capture and communication to include instrument control and run lists

#### Data Analysis

- The process of verifying, manipulating, transforming and displaying database information

#### Automated Reporting

- Extracting, organizing and presenting LIMS data
- Level one capabilities include predefined reports and sample levels
- Level two functions include user-defined reports and queries

## Joint Logistics Systems Center

### **SCHEDULED DEPLOYMENTS**

#### **Marine Corps**

Marine Corps Logistics Base  
(MCLB) - Albany  
MCLB - Barstow

#### **Navy**

Norfolk Naval Ship Yard (NSY)  
Pearl Harbor NSY  
Portsmouth NSY  
Puget Sound NSY  
Naval Aviation Depot (NADEP)  
Jacksonville  
NADEP North Island  
NADEP Cherry Point

#### **Army**

Tobyhanna Army Depot (AD)  
Letterkenny AD  
Corpus Christi AD  
Red River AD  
Anniston AD

#### **Air Force**

Warner Robins Air Logistics  
Center (ALC)  
Oklahoma City ALC  
San Antonio ALC  
Sacramento ALC  
Ogden ALC

#### **Point of Contact**

Tom Gucwa  
Project Manager  
1864 Fourth Street, Suite 1  
JLSC/DMP  
WPAFB OH 45433-7131

DSN 785-0823 Ext. 3046  
Comm (937) 255-0823  
Ext. 3046  
gucwa@jlsc.wpafb.af.mil

#### **Development Contractors**

Decision Systems  
Technologies, Inc. (DSTI)  
Hewlett Packard  
KPMG Peat Marwick LLP  
Lockheed Martin  
BDM Federal

Public Affairs  
JLSC/CSS, Bldg. 15  
1864 Fourth St., Ste 1  
Wright-Patterson AFB OH 45433-7131  
Comm: (937) 255-0336  
DSN: 785-0336  
FAX: (937) 656-4763  
Internet <http://www.jlsc.wpafb.af.mil/>  
(Current as of January 1996)

- Level three capabilities include advanced reporting and sophisticated graphic abilities

#### Laboratory Management

- Includes the monitoring and control of the laboratory's data and resources
- Scheduling of lab work, sample tracking, sample status

### **BENEFITS**

LIMS provides significant benefits to depot laboratory operations. The system will improve resource use and make day-to-day work more efficient by automating information gathering, laboratory analysis and reporting. LIMS brings lab people a better way to manage lab information and resources.

#### Tangible

- Reduced turn-around time
- Increased laboratory throughput
- Improved resource use
- Better quality of lab data

#### Intangible

- State-of-the-art information processing
- Better service management
- More efficient work processes

### **COMPLIANCE WITH REGULATORY REQUIREMENTS**

- Environmental Protection Agency (EPA)
- Nuclear Regulatory Commission requirements (NRC)
- Laboratory certification (GALP), ISO 9000

### **ARCHITECTURE**

HP9000/I60  
HP CHEM ICAL  
HP CHEM LMS  
UNIX  
ORACLE  
TCP/IP  
TELNET

486 w/16 MB RAM  
IKE  
X-Windows  
TCP/IP  
TELNET

### **SUMMARY**

LIMS is the DoD solution for depot laboratories. LIMS provides a faster, more efficient, and ultimately better way to work and manage in the laboratory.

The system uses state-of-the-art software and goes beyond basic sample tracking. LIMS serves as a powerful tool, offering a total solution for improved laboratory management and better use of critical resources.